## U.S. DEPARTMENT OF HOMELAND SEC 2RITY

ELEVATION CERTIFICATE OMB No. 1660-0008
Expires March 31, 2012

SECT	ION A DOO	DEDTY INCA		Read the ins				For insurance	Company	Jse:
Building O	Wher's Name	PERTY INFO	ents of Lancaster					Policy Number	er .	
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, Building Si 10 Oak l	treet Address	(including Apt., I	Unit, Suite, and/or l	Sidg. 14d.) UF F.O.	2001	11				1 3144
	den City Beach	n State SC	ZIP Code 29576	N.	PIN	1/	a : //			
•			mbers, Tax Parcel N	Number, Legal De	scription, etc.)	) 1/2	245	$\overline{A}$		
t 6 Block 37	Garden City	Tax Map:	195-14-10-006			_/!У:	110	<u> </u>		
. Building (	Jse (e.g., Resi	dential, Non-Res	sidential, Addition,	Accessory, etc.) _			, , , , , , , , , , , , , , , , , , ,	n: NAD 192		Residentia
	. Marchael Land	MO24 24' 50 4"	Long W078d 59'	46 0"			izontai Datun	1; LINAU 192	/ CO NAD	1505
. Attach at	least 2 photog Diagram Numb	raphs of the buil	Iding if the Certifica	te is being used to						
Forabuil	lding with a cra	awispace or enci	losure(s):		A9. Fo	or a buildin	g with an atta	ched garage: ached garage	N/A	sq ft
a) Souai	re footage of o	rawispace or en	iclosure(s)	<u>N/A</u> sq ft	a) b)	No. of pe	ermanent floo	d openings in th	ne attached	•
b) No. 0 enclo	r permanent 114 sure(s) within	1.0 foot above a	the crawlspace or adjacent grade	N/A	·	within 1.	0 foot above	adjacent grade	<u>N/A</u>	sq in
c) Total	net area of flo	od openings in /	A8.b	<u>N/A</u> sq in			red flood ope	d openings in As	Yes 🗵	No.
d) Engir	neered flood o	poiningo.	☐ Yes ☒ No			·		9-		
		SECT	ION B - FLOOD	INSURANCE R	RATE MAP (	FIRM) IN	-UKMATIO			
I. NFIP Con	nmunity Name	& Community N	Number	B2. County Nan	ne			B3. State SC		
orry County	4501	04		Horry	IDAA Dagal		B8. Flood		lood Elevat	ion(s) (Zon
34. Map/Par		B5. Suffix H	B6. FiRM Index Date		FIRM Panel e/Revised Date	e	Zone(s)	AO, us	se base floor	d depth)
450510	20753	, n	9-17-2003	8-	23-1999		VE		17'	
Bullding e	tion Date	SECTIO	ON C - BUILDING	Drawings*	NFORMATIC	ON (SUR)	VEY REQUI	RED)	ed Construc	
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pen,

Note: The V Zone design certificate is not a substitute for the NFIP Elevation Certificate (see Fact Sheet No. 1.4, Lowest Floor Elevation), which is required to certify as built elevations needed for flood insurance rating.

	V ZONE DESIGN CERTIFICATE	
Na	inie C+M Investante of Lancister Policy Number (Insurance Co Use)	
6u	illding Address or Other Description 1/0 Oak Divice	
Per	mil No. City Granda City State SC Zip Code 21	576
	SECTION I: Flood Insurance Rate Map (FIRM) Information	
	mmunity No. 450/04 Panel No. 0753 Sulfix H FIRM Data 8-23-99(RM Zone(s)	VF.
Co	minunity No. 45 9207 Panel No. 065 Sultix [] FIHM Date \$150 WHM Zone(s)	V
	SECTION II: Elevation Information Used for Design	
/NC and	OTE: This section documents the elevations/depths used or specified in the design – it does not document surveyed el d is not equivalent to the as-built elevations required to be submitted during or after construction.]	evations
1.	FIRM Base Flood Elevation (BFE)	<u> 1</u> 0 <sub>teet</sub>
2.	Community's Design Flood Elevation (DFE)	/8.0 luct
3.	Elevation of the Bottom of Lowest Horizontal Structural Member	/8.0 lent
4.	Elevation of Lowest Adjacent Grade	leet
5.	Dopth of Anticipated Scour/Erosion used for Foundation Dosign	
6.	Embedment Depth of Pilings or Foundation Below Lowest Adjacent Grade	/a. / feet
	Indicate elevation datum used in 1-4 MGVD29 LI NAVD88 LI Other	
	SECTION III: V Zone Design Certification Statement	
fi316	ertify that: (1) I have developed or reviewed the shluctural design, plans, and specifications for construction of etenced building and (2) that the design and methods of construction specified to be used are in accordance wi indards of practice <sup>14</sup> for meeting the following provisions.	the above- th accepted
•	The bottom of the lowest horizontal structural member of the lowest floor (excluding piles and columns) is eliabove the BFE.	evated to or
•	The pile and column foundation and structure attached thereto is anchored to resist flotation, collapse, and it ment due to the effects of the wind and water loads acting simultaneously on all building components. Water loads are those associated with the base flood: "I Wind loading values used are those required by the applicational building code. The potential for scour and erusion at the foundation has been anticipated for conditions with the base flood, including wave action.	ading values able State or
•	SECTION IV: Breakaway Wall Design Certification Statement	
	PE. This section must be certified by a registered engineer or architect when breakaway walls are designed to have a r pre than 20 psf (0.96 kN/m2) determined using allowable stress design)	esistance of
wa	ertify that: (1) I have developed or reviewed the structural design, plans, and specifications for construction of alls to be constructed under the above-referenced building and (2) that the design and methods of construction used are in accordance with accepted standards of practice." for meeting the following provisions	breakaway specified to
	Breakaway wall collapse shall result from a water load less than that which would occur during the base floor	•••
•	The elevated portion of the building and supporting foundation system shall not be subject to collapse, displictly structural damage due to the effects of wind and water loads acting simultaneously on all building composition (II)	acement, or onents (see
	SECTION V: Certification and Seal	
Sint Co Co Titl Ad Cit	is certification is to be signed and sealed by a registered professional engineer or architect antihorized by a registered professional engineer or architect by the Victoria Statement (Section IV check if applicable).  License Number of the Victoria Statement (Section IV check if applicable).  License Number of the Victoria Statement (Section IV check if applicable).  State Section IV check if applicable).  State Section IV check if applicable (Section III) and License Number of the Victoria Statement (Section III) and License IV check if applicable (Section IV check if applicable).  License Number of the Victoria Statement (Section III) and License IV check if applicable (Section IV check if applicable).  State Section IV check if applicable (Section IV check if applicable).  License Number of the Victoria Statement (Section IV check if applicable).  License Number of the Victoria Statement (Section IV check if applicable).  License Number of the Victoria Statement (Section IV check if applicable).  License Number of the Victoria Statement (Section IV check if applicable).  License Number of the Victoria Statement (Section IV check if applicable).  License Number of the Victoria Statement (Section IV check if applicable).  License Number of the Victoria Statement (Section IV check if applicable).  License Number of the Victoria Statement (Section IV check if applicable).  License Number of the Victoria Statement (Section IV check if applicable).  License Number of the Victoria Statement (Section IV check if applicable).  License Number of the Victoria Statement (Section IV check if applicable).  License Number of the Victoria Statement (Section IV check if applicable).  License Number of the Victoria Statement (Section IV check if applicable).	W Cocernity Was Design
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2 01.	HOME BUILDER'S GUIDE TO COASTAL CON	STAUCTIO

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## Nelson L. Hardwick & Associates, Inc.

P.O. Box 15909 Surfside, SC 29587 - 5th Ave. NW - Suite 102 Ardis Offices Phone: 843-238-1142 - Fax: 843-238-1711

February 24, 2015

Horry County Code Enforcement 1301 2<sup>nd</sup> Avenue, Suite 1D09 Conway, SC 29526

Re: 110 Oak Avenue Garden City

Plan Reviewer for Horry County

To Whom It May Concern:

The purpose of this letter is to address the storage enclosure located beneath the structure at the above referenced site. The storage enclosure is constructed of nonstructural louvered inserts which are designed to allow floodwaters to pass into and out of the enclosed area. These inserts are designed to collapse under wave loads without causing structural damage to the elevated building or the supporting piling foundation.

Should you have any questions or concerns please contact me at 843-340-2563 or ira@sc.rr.com.

Ira Har Nelson I

IMPORTANT: In these spaces, c	CTION D - SURVEYOR, ENGINEER, OR ARCHITE	
Dunuing Succerductes (including Apr.,	, Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.	
110 Oak Drive	10-t- 00570	
City Garden City BeachState SC ZIP	Code 29576	Company NAIC Number
SECTION I	D - SURVEYOR, ENGINEER, OR ARCHITECT CE	ERTIFICATION (CONTINUED)
	ate for (1) community official, (2) insurance agent/compar	
omments This certificate is nontransfe 9' x 12' louverd room on slab at elevati	erable and may not be used for any other person(s) or ention 13.0'. C2e is HVAC PLATFORM	tities. BEASLEY LAND SURVEYING, INC. No. CO0351
gnature (a)		
gnature XXXIII	Date Apr. 4, 20	Check fiere it attachments
SECTION E BUILDING ELEV	ATION INFORMATION (SURVEY NOT REQUIRE	D) FOR ZONE AO AND ZONE A (WITHOUT BFE)
and C. For Items E1-E4, use natural g	grade, if available. Check the measurement used. In Pue	
E1. Provide elevation information for grade (HAG) and the lowest adja	the following and check the appropriate boxes to show water grade (LAG)	whether the elevation is above or below the highest adjacent
	basement, crawlspace, or enclosure) is	feet ☐ meters ☐ above or ☐ below the HAG.
b) Top of bottom floor (including I E2. For Building Diagrams 6-9 with p	basement, crawispace, or enclosure) is	feet meters above or below the LAG. and/or 9 (see pages 8-9 of Instructions), the next higher floor
E3. Attached garage (top of slab) is		
E4. Top of platform of machinery and	f/or equipment servicing the building is $\_\_$ feet	
E5. Zone AO only: If no flood depth remanagement ordinance?  Ye	number is available, is the top of the bottom floor elevated as $\square$ No $\square$ Unknown. The local official must certify the	d in accordance with the community's floodplain
	F - PROPERTY OWNER (OR OWNER'S REPRES	
operty Owner's or Owner's Authorized	Representative's Name  City	State ZIP Code
gnature	Date	Telephone
omments	75-75-75-75-75-75-75-75-75-75-75-75-75-7	
		☐ Check here if attachmen
	SECTION G - COMMUNITY INFORMATION	
		nanagement ordinance can complete Sections A. B. C. (or F.)
ne local official who is authorized by lav		3, 2, 2 (0, 2),
id G of this Elevation Certificate. Comp	plete the applicable item(s) and sign below. Check the m	neasurement used in Items G8 and G9.
Id G of this Elevation Certificate. Comp 1. ☐ The information in Section C w	plete the applicable item(s) and sign below. Check the m was taken from other documentation that has been signed	neasurement used in Items G8 and G9.
nd G of this Elevation Certificate. Comp 1. The information in Section C w is authorized by law to certify e	plete the applicable item(s) and sign below. Check the m was taken from other documentation that has been signed elevation information. (Indicate the source and date of the	neasurement used in Items G8 and G9.  I and sealed by a licensed surveyor, engineer, or architect who e elevation data in the Comments area below.)
nd G of this Elevation Certificate. Comp 1. The information in Section C w is authorized by law to certify e 2. A community official completed	plete the applicable item(s) and sign below. Check the m was taken from other documentation that has been signed	neasurement used in Items G8 and G9. If and sealed by a licensed surveyor, engineer, or architect who e elevation data in the Comments area below.) IMA-issued or community-issued BFE) or Zone AO.
nd G of this Elevation Certificate. Comp  1. The information in Section C w is authorized by law to certify e  2. A community official completed  3. The following information (Item	plete the applicable item(s) and sign below. Check the may as taken from other documentation that has been signed elevation information. (Indicate the source and date of the discretion E for a building located in Zone A (without a FEI as G4-G9) is provided for community floodplain management.	neasurement used in Items G8 and G9. If and sealed by a licensed surveyor, engineer, or architect who e elevation data in the Comments area below.) IMA-issued or community-issued BFE) or Zone AO.
1. The information in Section C wis authorized by law to certify et a. A community official completed a. The following information (Item G4. Permit Number	plete the applicable item(s) and sign below. Check the m vas taken from other documentation that has been signed elevation information. (Indicate the source and date of the d Section E for a building located in Zone A (without a FE ins G4-G9) is provided for community floodplain managem  G5. Date Permit Issued  G6. D	neasurement used in Items G8 and G9. If and sealed by a licensed surveyor, engineer, or architect who e elevation data in the Comments area below.) EMA-issued or community-issued BFE) or Zone AO. Inent purposes. Date Certificate Of Compliance/Occupancy Issued
nd G of this Elevation Certificate. Comp  1. The information in Section C w is authorized by law to certify e  2. A community official completed  3. The following information (item  34. Permit Number  7. This permit has been issued for:	plete the applicable item(s) and sign below. Check the moves taken from other documentation that has been signed elevation information. (Indicate the source and date of the discretion E for a building located in Zone A (without a FEI as G4-G9) is provided for community floodplain managem.  G5. Date Permit Issued  Rew Construction  Substantial Improveme	neasurement used in Items G8 and G9. If and sealed by a licensed surveyor, engineer, or architect who e elevation data in the Comments area below.)  EMA-issued or community-issued BFE) or Zone AO. Inent purposes.  Date Certificate Of Compliance/Occupancy Issued
1. The information in Section C wis authorized by law to certify et authorized by law to certi	plete the applicable item(s) and sign below. Check the moves taken from other documentation that has been signed elevation information. (Indicate the source and date of the discrete Section E for a building located in Zone A (without a FEI as G4-G9) is provided for community floodplain managem.  G5. Date Permit Issued  New Construction  Substantial Improveme cluding basement) of the building:	neasurement used in Items G8 and G9. If and sealed by a licensed surveyor, engineer, or architect who e elevation data in the Comments area below.)  EMA-issued or community-issued BFE) or Zone AO. Inent purposes.  Date Certificate Of Compliance/Occupancy Issued  ent  meters (PR) Datum
d G of this Elevation Certificate. Comp  The information in Section C w is authorized by law to certify e  A community official completed  The following information (Item  4. Permit Number  This permit has been issued for:  Elevation of as-built lowest floor (inc.)  BFE or (in Zone AO) depth of floodi	plete the applicable item(s) and sign below. Check the may as taken from other documentation that has been signed elevation information. (Indicate the source and date of the discretion E for a building located in Zone A (without a FE ins G4-G9) is provided for community floodplain managem.  G5. Date Permit Issued  New Construction  Substantial Improveme cluding basement) of the building:  feet  feet	neasurement used in Items G8 and G9. If and sealed by a licensed surveyor, engineer, or architect who e elevation data in the Comments area below.)  EMA-issued or community-issued BFE) or Zone AO. Inent purposes.  Date Certificate Of Compliance/Occupancy Issued
d G of this Elevation Certificate. Comp  The information in Section C w is authorized by law to certify e  A community official completed  The following information (Item  4. Permit Number  This permit has been issued for:  Elevation of as-built lowest floor (inc.)  BFE or (in Zone AO) depth of floodi  Community's design flood elevation	plete the applicable item(s) and sign below. Check the may as taken from other documentation that has been signed elevation information. (Indicate the source and date of the discretion E for a building located in Zone A (without a FE ins G4-G9) is provided for community floodplain managem.  G5. Date Permit Issued  New Construction  Substantial Improveme cluding basement) of the building:  feet  feet	neasurement used in Items G8 and G9. If and sealed by a licensed surveyor, engineer, or architect who e elevation data in the Comments area below.)  EMA-issued or community-issued BFE) or Zone AO. Inent purposes.  Date Certificate Of Compliance/Occupancy Issued  ent  meters (PR) Datum  meters (PR) Datum
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Check here if attachments